ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 606 (2000) 218–219

Journal of Organometallic Chemistry

Contents of Volume 606

Special issue: Catalytic Metathesis of Organic Compounds. Guest editors: R.D. Adams and U.H.F. Bunz

Communications

Ethenolysis of silicon containing cycloolefins
K. Karlou-Eyrisch, B.K.M. Müller, C. Herzig, O. Nuyken 3

N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity
J.G. Hamilton, U. Frenzel, F.J. Kohl, T. Weskamp, J.J. Rooney, W.A. Herrmann, O. Nuyken 8

Regular Papers

Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s
L. Kloppenburg, U.H.F. Bunz 13

Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors
H. Katayama, H. Urushima, F. Ozawa 16

Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes
J. Sültemeyer, K.H. Dötz, H. Hupfer, M. Nieger 26

Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes
K.J. Ivin, A.M. Kenwright, E. Khosravi, J.G. Hamilton 37

A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis
L. Jafarpour, E.D. Stevens, S.P. Nolan 49

Synthesis and evaluation of new $RuCl_2$(*p*-cymene)(ER_2R') and (η^1:η^6-phosphinoarene)$RuCl_2$ complexes as ring-opening metathesis polymerization catalysts
D. Jan, L. Delaude, F. Simal, A. Demonceau, A.F. Noels 55

Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2$-*C*,*N*-2-$C_5H_4N)(P^iPr_3)]$
P.A. van der Schaaf, R. Kolly, H.-J. Kirner, F. Rime, A. Mühlebach, A. Hafner 65

Ring closing alkyne metathesis: stereoselective synthesis of civetone
A. Fürstner, G. Seidel 75

The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene
K.J. Watson, S.B.T. Nguyen, C.A. Mirkin 79

Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters
V. Amir-Ebrahimi, J.G. Hamilton, J. Nelson, J.J. Rooney, A.D. Rooney, C.J. Harding 84

Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis
P. Hofmann, M.A.O. Volland, S.M. Hansen, F. Eisenträger, J.H. Gross, K. Stengel 88

Efficient synthesis of spirolactones from cyclic anhydrides via an allylation/alkylation-RCM sequence
M. Michaut, M. Santelli, J.-L. Parrain 93

ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 606 (2000) 218–219

Journal of Organometallic Chemistry

Contents of Volume 606

Special issue: Catalytic Metathesis of Organic Compounds. Guest editors: R.D. Adams and U.H.F. Bunz

Communications

Ethenolysis of silicon containing cycloolefins
K. Karlou-Eyrisch, B.K.M. Müller, C. Herzig, O. Nuyken 3

N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity
J.G. Hamilton, U. Frenzel, F.J. Kohl, T. Weskamp, J.J. Rooney, W.A. Herrmann, O. Nuyken 8

Regular Papers

Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s
L. Kloppenburg, U.H.F. Bunz 13

Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors
H. Katayama, H. Urushima, F. Ozawa 16

Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes
J. Sültemeyer, K.H. Dötz, H. Hupfer, M. Nieger 26

Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes
K.J. Ivin, A.M. Kenwright, E. Khosravi, J.G. Hamilton 37

A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis
L. Jafarpour, E.D. Stevens, S.P. Nolan 49

Synthesis and evaluation of new $RuCl_2$(*p*-cymene)(ER_2R') and (η^1:η^6-phosphinoarene)$RuCl_2$ complexes as ring-opening metathesis polymerization catalysts
D. Jan, L. Delaude, F. Simal, A. Demonceau, A.F. Noels 55

Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2$-*C*,*N*-2-$C_5H_4N)(P^iPr_3)]$
P.A. van der Schaaf, R. Kolly, H.-J. Kirner, F. Rime, A. Mühlebach, A. Hafner 65

Ring closing alkyne metathesis: stereoselective synthesis of civetone
A. Fürstner, G. Seidel 75

The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene
K.J. Watson, S.B.T. Nguyen, C.A. Mirkin 79

Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters
V. Amir-Ebrahimi, J.G. Hamilton, J. Nelson, J.J. Rooney, A.D. Rooney, C.J. Harding 84

Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis
P. Hofmann, M.A.O. Volland, S.M. Hansen, F. Eisenträger, J.H. Gross, K. Stengel 88

Efficient synthesis of spirolactones from cyclic anhydrides via an allylation/alkylation-RCM sequence
M. Michaut, M. Santelli, J.-L. Parrain 93

Regular Papers

First heterogeneously palladium catalysed α-arylation of diethyl malonate
L. Djakovitch, K. Köhler . . . 101

First intermolecular palladium catalyzed arylation of an unfunctionalized aromatic hydrocarbon
G. Dyker, S. Borowski, J. Heiermann, J. Körning, K. Opwis, G. Henkel, M. Köckerling . . . 108

Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts
T.V. Laine, U. Piironen, K. Lappalainen, M. Klinga, E. Aitola, M. Leskelä . . . 112

Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes
A.R. Bassindale, M. Borbaruah, S.J. Glynn, D.J. Parker, P.G. Taylor . . . 125

Synthesis and structure of adduct stabilized Group III metal transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds
H. Fölsing, O. Segnitz, U. Bossek, K. Merz, M. Winter, R.A. Fischer . . . 132

Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives
C. Morton, K.M. Gillespie, C.J. Sanders, P. Scott . . . 141

Formation of $M(CO)_4^-$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere
Q. Xu, S. Inoue, Y. Souma, H. Nakatani . . . 147

Hydrogenation of α-acetamidocinnamic acid with polystyrene-supported rhodium catalysts
S. Bhaduri, G.K. Lahiri, P. Munshi . . . 151

Synthesis and characterisation of Group 4 metallocene alkoxide complexes. X-ray crystal structure of $Cp_2^*ZrCl(OCH_2CH_2SPh)$
R. Fandos, C. Hernández, A. Otero, A. Rodríguez, M.J. Ruiz, P. Terreros . . . 156

Reactions of acetonitrile di-iron μ-aminocarbyne complexes; synthesis and structure of $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}H)(CO)_2(Cp)_2]$
V.G. Albano, L. Busetto, M. Monari, V. Zanotti . . . 163

Preparation and characterization of immobilized constrained-geometry hafnium complexes
H. Juvaste, T.T. Pakkanen, E.I. Iiskola . . . 169

Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E' = Se, Te)
P. Mathur, P. Payra, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana, F.O. Chicote, R.K. Chadha . . . 176

Revising the $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$ synthesis and comparison of its behavior with $[PdCl_2(1,2\text{-}(P^iPr_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$. Crystal structure of $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$
S. Paavola, R. Kivekäs, F. Teixidor, C. Viñas . . . 183

Chiral sandwich compounds of ruthenium(II) and (IV): X-ray crystal structure of $[Ru\{\eta^5\text{-}C_5H_4(neomenthyl)\}_2I]I_3$
D.D. Pathak, A.T. Hutton, J. Hyde, A. Walkden, C. White . . . 188

Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate)
R. Contreras, M. Valderrama, E.M. Orellana, D. Boys, D. Carmona, L.A. Oro, M.P. Lamata, J. Ferrer . . . 197

Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes
G.V. Loukova, V.V. Strelets . . . 203

Communication

Photoreactivity of the triphenylphosphine adduct of methyl(trioxo)rhenium(VII) induced by ligand-to-metal charge transfer excitation
H. Kunkely, A. Vogler . . . 207

Conference Calendar . . . 211
Author Index of Volume 606 . . . 212
Subject Index of Volume 606 . . . 213
Contents of Volume 606 . . . 218